

ABS Digimatic Calipers

Specifications

Metric

Order No.	Measuring range (mm)	Maximum permissible error (mm)*		Measurement data output port	Thumb roller	Remarks
		EMPE	SMPE			
500-180-30	0 - 100	±0,02	±0,04	—	—	Depth bar ø1,9 mm
500-201-30				✓	—	Depth bar ø1,9 mm
500-150-30				✓	✓	Depth bar ø1,9 mm
500-181-30	—			—	—	
500-184-30	—			—	Depth bar ø1,9 mm	
500-161-30	✓			—	—	
500-203-30	✓			—	Depth bar ø1,9 mm	
500-151-30	✓			✓	—	
500-158-30	✓			✓	Depth bar ø1,9 mm	
500-233-30	✓			—	Carbide-tipped jaws for outside measurement	
500-234-30	✓			—	Carbide-tipped jaws for outside/inside measurement	
500-154-30	✓			✓	Carbide-tipped jaws for outside measurement	
500-155-30	✓			✓	Carbide-tipped jaws for outside/inside measurement	
500-182-30	0 - 200			—	—	—
500-162-30				✓	—	—
500-152-30				✓	✓	—
500-235-30				✓	—	Carbide-tipped jaws for outside measurement
500-236-30				✓	—	Carbide-tipped jaws for outside/inside measurement
500-156-30				✓	✓	Carbide-tipped jaws for outside measurement
500-157-30				✓	✓	Carbide-tipped jaws for outside/inside measurement
500-205-30	0 - 300			±0,03	±0,05	✓
500-153-30		✓	✓			—

*Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019.

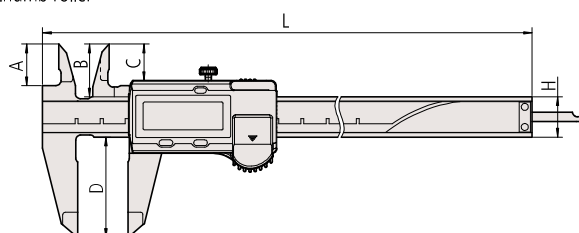
Inch/Metric

Order No.	Measuring range (in)	Maximum permissible error*		Measurement data output port	Thumb roller	Remarks		
		E_{MPE}	S_{MPE}					
500-195-30	0 - 4	±0,001 in	±0,002 in	—	✓	Depth bar: Ø 1,9 mm		
500-170-30				✓	✓	Depth bar: Ø 1,9 mm		
500-191-30	0 - 6			—	—	—		
500-196-30				—	✓	—		
500-202-30				✓	—	—		
500-171-30				✓	✓	—		
500-178-30				✓	✓	Depth bar: Ø 1,9 mm		
500-159-30				—	✓	Carbide-tipped jaws for outside measurement		
500-160-30				—	✓	Carbide-tipped jaws for outside/inside measurement		
500-174-30				✓	✓	Carbide-tipped jaws for outside measurement		
500-175-30				✓	✓	Carbide-tipped jaws for outside/inside measurement		
500-197-30				0 - 8	—	✓	—	
500-204-30					✓	—	—	
500-172-30					✓	✓	—	
500-163-30	—				✓	Carbide-tipped jaws for outside measurement		
500-164-30	—				✓	Carbide-tipped jaws for outside/inside measurement		
500-176-30	✓				✓	Carbide-tipped jaws for outside measurement		
500-177-30	✓				✓	Carbide-tipped jaws for outside/inside measurement		
500-193-30	0 - 12				±0,0015 in	±0,0025 in	—	✓
500-173-30				✓			✓	—
500-165-30				—			—	Carbide-tipped jaws for outside measurement
500-166-30				—			—	Carbide-tipped jaws for outside/inside measurement
500-167-30				✓			✓	Carbide-tipped jaws for outside measurement
500-168-30				✓			✓	Carbide-tipped jaws for outside/inside measurement

*Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019.

DIMENSIONS

Without thumb roller



Unit: mm

Measuring range	A	B	C	D	H	L
0 - 100	16,5	21	14,5	40	16	182
0 - 150						233
0 - 200	20	24,5	18	50	20	290
0 - 300	22	27,5	19,8	64		404

Outside jaw thickness: 3.5 mm for 0 to 100 mm / 0 to 150 mm /
0 to 200 mm models and 3.8 mm for 0 to 300 mm model